Sul	stitute for form	1449A/PTO		Сотр	lete if Known
		TION DICC	N OCUPE	Application Number	10/776,094
B			LOSURE	Filing Date	02/10/04
5	IAIEWE	NT BY AP	PLICANI	First Named Inventor	Ritland
				Art Unit	3733
				Examiner Name	PHILOGENE, PEDRO
Sheet	1	of	4	Attorney Docket Number	4510-1-DIV

			U.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.1	<u>Document Number</u> Number-kind Code ^{2 (Minown)}	Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/PP/	1	2,191	07/23/1841	Pitney	
	2	605,652	06/14/1898	Pitt	
	3	1,090,746	3/17/1914	Nourse	
	4	1,097,978	5/26/1914	Johnson	
	5	3,467,079	9/16/1969	James	
	6	3,893,454	7/18/1975	Hagelin	
	7	4,889,112	12/26/1989	Schachner et al.	·
	8	4,995,875	2/26/1991	Coes	
	9	5,018,507	5/28/1991	Montaldi	
	-10	5,026,373	6/25/1991	Ray et al.	
	11	5,030,223	07/09/1991	Anderson et al.	
	12	5,217,007	6/8/1993	Ciaglia	
	13	5,306,275	4/26/1994	Bryan, Donald W.	
	14	5,330,474	7/19/1994	Lin, Chih-I	
	15	5,499,983	3/19/1996	Hughes, Dean	
	16	5,501,684	3/26/1996	Schlapfer et al.	
	17	5,558,622	9/24/1996	Greenberg	
	18	5,569,300	10/29/1996	Redmon	
	19	5,584,833	12/17/1996	Fournet-Fayard et al.	
	20	5,683,392	11/4/1997	Richelsoph, et al.	
	21	5,716,355	2/10/1998	Jackson, et al.	·
	22	5,735,850	4/7/1998	Baumgartner, et al.	
	23	5,772,582	6/30/1998	Huttner et al.	
	24	5,785,648	7/28/1998	Min	
	25	5,797,912	8/25/1998	Runciman, et al.	
	26	5,810,816	9/22/1998	Roussouly, et al.	
	27	5,810,817	9/22/1998	Roussouly, et al.	
	28	5,938,663	8/17/1999	Petreto, Eric	
	29	5,976,135	11/2/1999	Sherman, et al.	
	30	6,004,322	12/21/1999	Bernstein	
	31	6,027,533	2/22/2000	Olerud, Sven	
	32	6,146,383	11/14/2000	Studer, et al.	
		6,176,861	1/23/2001	Bernstein et al.	
W	34	6,187,005	2/13/2001	Brace et al.	

Examiner Signature	/Pedro Philogene/	Date Considered	/Pedro Philogene/
_ u.g.,ata.u		00.10.00.00	

Su	bstitute	for form 14	49A/PTO		Comp	lete if Known
12	.EO				Application Number	10/776,094
				LOSURE	Filing Date	02/10/04
· S	TAT	EMEN	T BY AP	PLICANT	First Named Inventor	Ritland
					Art Unit	3733
				•	Examiner Name	
Sheet	eet 2 of			4	Attorney Docket Number	PHILOGENE, PEDRO 4510-1-DIV
Gilest				4	Attentey bocket Number	4310-1-DIV
/PP/	25	6 224 57	E	E/4E/2004	Man Madia II	
/FF/		6,231,57 6,248,10		5/15/2001 6/19/2001	Krag, Martin H.	
		6,273,91		8/14/2001	Chopin et al.	<u> </u>
	وحسحو	6,302,84		10/16/2001	Papas Auerbach et al.	
		6,309,39		10/30/2001	Le Couedic, et al.	
		6,309,39		10/30/2001	Crandall, et al.	
1		6,355,03		3/12/2002	Pisharodi	
		6,361,54		3/26/2002	Barnhart	
		6,425,90		7/30/2002	Zhu et al.	
		6,443,95		9/3/2002	Perra, et al.	
		6,461,35		10/8/2002	Tribus, et al.	
 		6,478,79		11/12/2002	Howland, Robert S.	
- 		6,579,29		6/17/2003	Taylor, Harold Sparr	
		6,585,73		7/1/2003	Mangione, et al.	
		6,595,99		7/22/2003	Donno, et al.	
-		6,610,06		8/26/2003	Bailey, et al.	
		6,626,90		9/30/2003	Jammet, et al.	
		6,626,90		9/30/2003	Young	
		6,648,88		11/18/2003	Ashman, Richard B.	
		6,671,72		12/30/2003	Noel, Jr. et al.	
		6,676,66		1/13/2004	Martin Benlloch, et a	
		6,685,70		2/3/2004	Taylor, Harold Spari	
	57			6/1/2004	Castro	
,		6,749,61		6/15/2004	Conchy, et al.	
	_	6,783,52		8/31/2004	Vincent-Prestigiacor	mo
		6,974,48		12/13/2005	Messerli, et al.	
		2003/01		6/12/2003	Shirado, et al.	
		2003/01		7/24/2003	Garcia, et al.	
		2004-01		7/15/2004	Ritland	
		2005/00		2/3/2005	Webb, et al.	
		2005/01		6/30/2005	Paffard, et al.	
	66	2005/01	49191	7/7/2005	Cragg, et al.	
	67	2005/02	03517	9/15/2005	Jahng, et al.	
	68	2005/02	03519	9/15/2005	Harms, et al.	
	69	2005/02	09694	9/22/2005	Loeb	
	70	2005-01	49023	7/7/2005	Ritland	
	71	2005-02		10/13/2005	Ritland	
V	72	2006/00	09768	1/12/2006	Ritland	

P				
Examiner Signature	/Pedro Philogene/	·	Date Considered	04/18/2007

Sub	stitute for form	1449A/PTO		Complete if Known		
18.0		TION DIOC	N 00UDE	Application Number	10/776,094	
			LOSURE	Filing Date	02/10/04	
S	AIEME	NT BY AP	PLICANT	First Named Inventor	Ritland	
				Art Unit	3733	
				Examiner Name	PHILOGENE, PEDRO	
Sheet	3	of	. 4	Attorney Docket Number	4510-1-DIV	

/PP/	73	2006/0041259	2/23/2006	Paul, et al.	
	74	2006/0064090	-3/23/2006	Park	
	75	2006/0069390	3/30/2006	Frigg, et al.	
	76	10/165,991		Simonson	
V	77	11/425,987		Ritland	

		FOR	EIGN PATEN	T DOCUMENTS		
Examiner Initials*	Cite No. ³	Foreign Patent Document Country Code ³ ; Number ⁴ ; Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ţ [®]
/PP/		FR 2796828	2/2/2001	Jammet et al.		Believed to correspond to U.S. Patent No. 6,626,904 cited above
/PP/	79	WO 99/40866	8/19/1999	Elberg		

		OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
Examiner Initials*	Cite No.1	
/PP/	80	China Chemical Reporter, "Rapid Development of Polyether Ether Ketone", CNCIC Chemdata Inc., 2004, 2 pages.
/PP/	81	Green, "Body Building - Medical Materials for Systems and Scaffolding," Materials World, Journal of the Institute of Materials, Vol. 10, No. 2, 2001, 4 pages.
/PP/	82	Green, "Effects of Gamma Sterilisation on Implant Grade Polyetheretherketene," Invibie In Lancashire, United Kingdom, undated, 1 page.
/PP/	83	Green, "In Vive Bicetability Study on Pelyanyletheretherketene Biemeterial," Invibie Is., Lancashire, United Kingdom, undated, 2 pages.
/PP/	84	Green, et al., "A Polyaryletherketone Biomaterial for Use in Medical Implant Applications," Lancashire, United Kingdom, 2001, 1 page.
/PP/	85	Green, et al., "Polyetheretherketone Polymer and Compounds for Surgical Application," Lancashire, United Kingdom, undated, 9 pages.

Examiner /Pedro Philogene/ Date 04/18/2007	 T		
Signature // Considered Considered Considered	/Pearo Philogene/	Date Considered	

Subs	stitute for form 1	449A/PTO		Complete if Known		
IAI		ION DIOC	N OOURE	Application Number	10/776,094	
	INFORMATION DISCLOSURE			Filing Date	02/10/04	
STATEMENT BY APPLICANT			PLICANT	First Named Inventor	Ritland	
				Art Unit	3733	
				Examiner Name	PHILOGENE, PEDRO	
Sheet	4	of	4	Attorney Docket Number	4510-1-DIV	
			!		1	

/PP/	86	Green, Stuart, "PEEK Optima Polymer in the Implantable Medical Device Industry," Invibio
/PP/	87	Inviblo, Blomaterials Solutions, "High Performance PEEK Optime Biocompatible Polyner Ghosen for Pental Abutment Healing Cape," Invibio Inc., Lancashire, United Kingdon, undated, 1 page.
/PP/	88	Invibio, Biomaterials Solutions, "High Performance PEEK-Optima Biocompatible Polymer Chosen for New Congration Heart Valve," Invibio Inc., Lancachire, United Kingdom, andates, 1 page.
/PP/	89	Invibio, Biomaterials Solutions, "PEEK-Classix," Invibio Inc., Lancashire, United Kingdom, 2003, 2 pages.
/PP/	90	Invibio, Biomaterials Solutions, "PEEK-Optima Polymer: Performance Purity Flexibility Endurance," Invibio Inc., Lancashire, United Kingdom, 2004, 3 pages.
/PP/	91	Invibio, Biometeriale Solutions, "PEEK Optima, Composite Hip," Invibio Inc., Lancastre, United Kingdom, undated, 2 pages
/PP/	92	Invibio, Biomaterials Solutions, "PEEK Optima, Spiked Washers," Invibio Inc., Lancachie, United Kingdom, undeted, 1 page.
/PP	93	Sofamor Danek Video Systems Brochure
/PP/	94	Tangram Technology Ltd., "Polymer Data File: Polyether Ether Keotone-PEEK," Available at http://www.tangram.co.uk/Ti-Polymer-PEEK.html, 2001, 5 pages.
/PP/	95	Web pages, http://www.brainlab.com, April 2, 2002; 5 pp.
/PP/	96	"New Minimally Invasive Techniques, Impreve Outcome of Spine Surgeries", Meditrens
/PP/	97	Kambin; "Percutanceus Posterolatoral Dissestemy"; Clincial Orthopaedics and Related Research, Section II; pp. 145-15

İ	Examiner	/Dadra Dhilanana/	·	Date	04/40/0007	j
I	Signature	/Pearo Philogene/		Considered	04/18/2007	· [.